



INFORMATION DISCLOSURE STATEMENT BY APPLICANT		ATTY DOCKET NO. P41 9755	SERIAL NO. 08/244,857
		APPLICANT EVANS ET AL.	
		FILING DATE 06/14/94	GROUP 1808

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
JW	5,183,817	02/02/93	Bazzano, G.S.	514	256	12/13/88
JW	4,981,784	01/01/91	Evans et al.	435	6	11/30/88
JW	5,071,773	12/10/91	Evans et al.	436	501	10/20/87
JW	5,219,888	06/15/93	Katocs, Jr. et al.	514	560	03/31/92
JW	4,877,805	10/31/89	Kligman, A.M.	514	381	06/03/88

### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
JW	0,552,624, A1	28-Jul-93	Europe	—	—	
JW	EP-A-0376821	04-Jul-90	Europe	—	—	
JW	FR-A-2619309	17-Feb-89	France	—	—	
JW	JP-A-4253934	09-Sep-92	Japan	—	—	

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

JW	Akita et al., "Nonbleachable Rhodopsins Retaining the Full Natural Chromophore" <i>J. Am. Chem. Soc.</i> <u>102</u> :6370-6372 (1980)
JW	Allegretto et al., "Immunochemical Detection of Unique Proteolytic Fragments of the Chick 1,25-Dihydroxyvitamin D <sub>3</sub> Receptor" <i>J. of Biol. Chem.</i> <u>262</u> (3):1312-1319 (1987)
JW	Allenby et al., "Retinoic acid receptors and retinoid X receptors: Interactions with endogenous retinoic acids" <i>Proc. Natl. Acad. Sci. USA</i> <u>90</u> :30-34 (1993)
JW	Asato et al., "Retinal and Rhodopsin Analogues Directed toward a Better Understanding of the H.T.-n Model of the Primary Process of Vision" <i>J. Am. Chem. Soc.</i> <u>108</u> :5032-5033 (1986)
JW	Bridges and Alvarez, "Measurement of the Vitamin A Cycle" <i>Methods in Enzymology</i> <u>81</u> :463-485 (1982)
JW	Corey et al., "New Methods for the Oxidation of Aldehydes to Carboxylic Acids and Esters" <i>J. Am. Chem. Soc.</i> <u>90</u> (20):5616-5617 (1968)

EXAMINER	DATE CONSIDERED
John Webb	16 Oct 95

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)**

	Derguini and Nakanishi, "Synthetic rhodopsin analogs" <i>Photobiochemistry and Photobiophysics</i> <u>13</u> :259-279 (1986)
	Durand et al., "All-Trans and 9-Cis Retinoic Acid Induction of CRABPII Transcription Is Mediated by RAR-RXR Heterodimers Bound to DR1 and DR2 Repeated Motifs" <i>Cell</i> <u>71</u> :73-85 (1992)
	Eager et al., "A member of the chicken RXR family of nuclear receptors activates transcription in response to retinoic acid" <i>FEBS</i> <u>292(1.2)</u> 103-106 (1991)
	Giguere et al., "Identification of a receptor for the morphogen retinoic acid" <i>Nature</i> <u>330</u> (6149):624-629 (1987)
	Hamada et al., "H-2RIIBP, a member of the nuclear hormone receptor superfamily that binds to both the regulatory element of major histocompatibility class I genes and the estrogen response element" <i>Proc. Natl. Acad. Sci. USA</i> <u>86</u> :8289-8293 (1989)
	Heyman et al., "9-Cis Retinoic Acid is a High Affinity Ligand for the Retinoid X Receptor" <i>Cell</i> <u>68</u> :397-406 (1992)
	Hollenberg and Evans, "Multiple and Cooperative Trans-Activation Domains of the Human Glucocorticoid Receptor" <i>Cell</i> <u>55</u> :899-906 (1988)
	Ishikawa et al., "A Functional Retinoic Acid Receptor Encoded by the Gene on Human Chromosome 12" <i>MOL ENDO</i> <u>4</u> (6):837-844 (1990)
	Kliewer et al., "Retinoid X receptor-COUP-TF interactions modulate retinoic acid signaling" <i>Proc. Natl. Acad. Sci. USA</i> <u>89</u> :1448-1452 (1992)
	Ladias and Karathanasis, "Regulation of the Apolipoprotein AI Gene by ARP-1, a Novel Member of the Steroid Receptor Superfamily" <i>Science</i> <u>251</u> :561-565 (1991)
	Laudet and Stehelin, "Flexible friends" <i>Current Biology</i> <u>2</u> (6):293-295 (1992)
	Lehmann et al., "Retinoids Selective for Retinoid X Receptor Response Pathways" <i>Science</i> <u>258</u> :1944-1946 (1992)
	Leid et al., "Purification, Cloning, and RXR Identity of the HeLa Cell Factor with Which RAR or TR Heterodimerizes to Bind Target Sequences Efficiently" <i>Cell</i> <u>68</u> :377-395 (1992)
	Levin et al., "9-Cis retinoid acid stereoisomer binds and activates the nuclear receptor RXR $\alpha$ " <i>Nature</i> <u>355</u> :359-361 (1992)

EXAMINER	DATE CONSIDERED
<i>Jon Weber</i>	<i>16 Oct 95</i>

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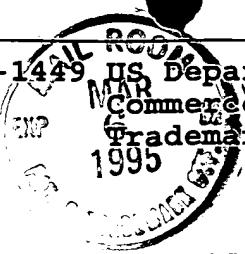
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. P41 9755	SERIAL NO. 08/244,857
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

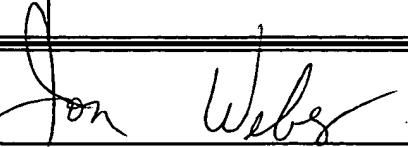
	Mangelsdorf et al., "A Direct Repeat in the Cellular Retinol-Binding Protein Type II Gene Confers Differential Regulation by RXR and RAR" <i>Cell</i> <u>66</u> :555-561 (1991)
	Mangelsdorf et al., "Nuclear receptor that identifies a novel retinoic acid response pathway" <i>Nature</i> <u>345</u> (6272):224-229 (1990)
	Miyajima et al., "Identification of two novel members of erbA superfamily by molecular cloning: the gene products of the two are highly related to each other" <i>Nucleic Acids Research</i> <u>16</u> :11057-11074 (1988)
	Mlodzik et al., "The <i>Drosophila</i> seven-up Gene, a Member of the Steroid Receptor Gene Superfamily, Controls Photoreceptor Cell Fates" <i>Cell</i> <u>60</u> :211-224 (1990)
	Oro et al., "Relationship between the product of the <i>Drosophila</i> ultraspirelacle locus and the vertebrate retinoid X receptor" <i>Nature</i> <u>347</u> :298-301 (1990)
	Pike et al., "Serum and Monoclonal Antibodies against the Chick Intestinal Receptor for 1,25-Dihydroxyvitamin D <sub>3</sub> " <i>J. Biol. Chem.</i> <u>258</u> (2):1289-1296 (1983)
	Pike and Haussler, "Purification of chicken intestinal receptor for 1,25-dihydroxyvitamin D" <i>Proc. Natl. Acad. Sci. USA</i> <u>76</u> (11):5485-5489 (1979)
	Rosen et al., "Ligand-dependent Synergy of Thyroid Hormone and Retinoid X Receptors" <i>J. Biol. Chem.</i> <u>267</u> (31):22010-22013 (1992)
	Rottman et al., "A Retinoic Acid-Responsive Element in the Apolipoprotein AI Gene Distinguishes between Two Different Retinoic Acid Response Pathways" <i>Molecular and Cellular Biol.</i> <u>11</u> (7):3814-3820 (1991)
	Sheves et al., "An Artificial Visual Pigment with Restricted C <sub>9</sub> -C <sub>11</sub> Motion Forms Normal Photolysis Intermediates" <i>J. Am. Chem. Soc.</i> <u>108</u> :6440-6441 (1986)
	Sladek et al., "Liver-enriched transcription factor HNF-4 is a novel member of the steroid hormone receptor superfamily" <i>Genes &amp; Development</i> <u>4</u> :2353-2365 (1990)
	Studier et al., "Use of T7 RNA Polymerase to Direct Expression of Cloned Genes" <i>Methods in Enzymology</i> <u>185</u> :60-88 (1990)
	Thaller and Eichele, "Identification and spatial distribution of retinoids in the developing chick limb bud" <i>Nature</i> <u>327</u> :625-628 (1987)

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	P41 9755	08/244,857
	<b>APPLICANT</b> <b>EVANS ET AL.</b>	
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	06/14/94	1804 1808

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)**

	Umesono et al., "Direct Repeats as Selective Response Elements for the Thyroid Hormone, Retinoic Acid, and Vitamin D <sub>3</sub> Receptors" <i>Cell</i> <u>65</u> :1255-1266 (1991)
	Umesono and Evans, "Determinants of Target Gene Specificity for Steroid/Thyroid Hormone Receptors" <i>Cell</i> <u>57</u> :1139-1146 (1989)
	Umesono et al., "Retinoic acid and thyroid hormone induce gene expression through a common responsive element" <i>Nature</i> <u>336</u> :262-265 (1988)
	Wang et al., "COUP transcription factor is a member of the steroid receptor superfamily" <i>Nature</i> <u>340</u> :163-166 (1989)
	Wedden et al., "Targeted Slow-Release of Retinoids into Chick Embryos" <i>Methods in Enzymology</i> <u>190</u> :201- [?] (1990)
	Yang et al., "Characterization of DNA binding and retinoic acid binding properties of retinoic acid receptor" <i>Proc. Natl. Acad. Sci. USA</i> <u>88</u> :3559-3563 (1991)
	Yen et al., "Retinoic Acid Induced HL-60 Myeloid Differentiation: Dependence of Early and Late Events on Isomeric Structures" <i>Leukemia Research</i> <u>10</u> (6):619-629 (1986)
	Yen et al., "Retinoic Acid Induced HL-60 Myeloid Differentiation - Sensitivity of Early and Late Events to Cis-Trans Isomerization" <i>J. Cell Biol.</i> <u>99</u> (4) Part 2:153a:563 (1984)
	Yu et al., "RXR $\beta$ : A Coregulator That Enhances Binding of Retinoid Acid, Thyroid Hormone, and Vitamin D Receptors to Their Cognate Response Elements" <i>Cell</i> <u>67</u> :1251-1266 (1991)
	Zhang et al., "Retinoid X receptor is an auxiliary protein for thyroid hormone and retinoic acid receptors" <i>Nature</i> <u>355</u> :441-446 (1992)
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